ABSTRACT

[Abstract]

[Problem] To improve a degree of freedom in designing an engine, improve an acceleration feeling and make a driving sense extremely good as well as to make the engine compact.

[Means for Resolution] A two-plane type crankshaft 3 is provided. The weight of crank webs for the respective cylinders is divided between left and right half webs (1a and 1b to 24a and 24b) and balance ratios k_L and k_R of the half webs for the respective cylinders are set so as to be $(k_L - 0.25) \cdot (0.25 - k_R) \cong D_R / D_L$ to form a track of a vector of a primary inertial couple into a substantial circle. A primary balancer 6 offsets the primary inertia couple.

[Selected Drawing] Fig. 9